

Carbonic anhydrase 2 Rabbit mAb

Catalog No: #59506

Package Size: #59506-1 50ul #59506-2 100ul

Description

Product Name	Carbonic anhydrase 2 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	Carbonic anhydrase 2 Antibody detects endogenous levels of total Carbonic anhydrase 2
Immunogen Description	A synthesized peptide derived from human Carbonic anhydrase 2
Other Names	Carbonic anhydrase 2; Carbonate dehydratase II; Carbonic anhydrase C; CAC; Carbonic anhydrase II; CA-II; CA2;
Accession No.	Uniprot:P00918
Calculated MW	Predicted band size: 29 kDa
SDS-PAGE MW	Observed band size: 29 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

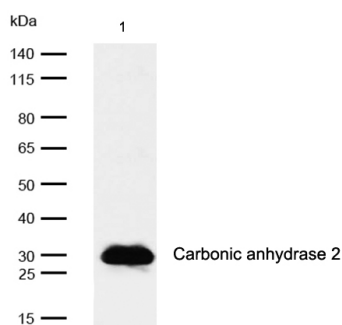
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



All lanes: Carbonic anhydrase 2 Rabbit mAb at 1/1k dilution

Lane 1 : A431 whole cell lysates
Lysates/proteins at 20 µg per lane.

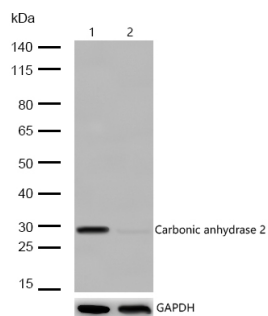
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 29 kDa

Observed band size: 29 kDa

Exposure time: 3 seconds

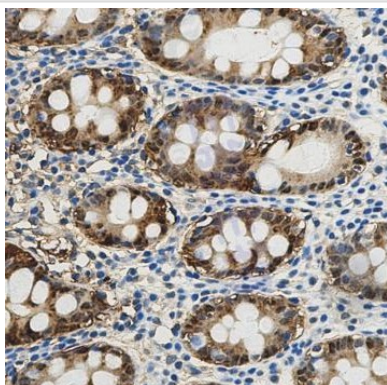


All lanes: Carbonic anhydrase 2 Rabbit mAb at 1/1k dilution

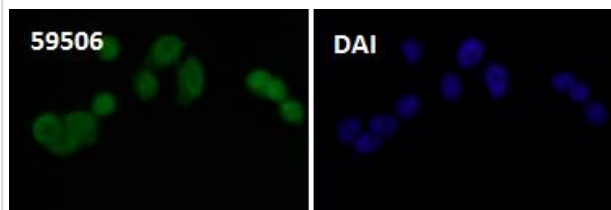
Lane 1 : Wild-type HeLa cell lysate

Lane 2 : Carbonic anhydrase 2 Rabbit mAb knockdown HeLa cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human colon tissue stained for Carbonic anhydrase 2 using 59506 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Carbonic anhydrase 2 antibody (59506) ICC/IF staining of Carbonic anhydrase 2 in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59506 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Background

Essential for bone resorption and osteoclast differentiation (By similarity). Reversible hydration of carbon dioxide. Can hydrates cyanamide to urea. Involved in the regulation of fluid secretion into the anterior chamber of the eye.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.